

US EPA ARCHIVE DOCUMENT

1-EEB-15B  
4/14/00

MRID No. 449317-21

**DATA EVALUATION RECORD  
EARTHWORM TOXICITY TEST**

1. **CHEMICAL:** Metolachlor PC Code No.: 108801  
2. **TEST MATERIAL:** CGA-354743 (metolachlor metabolite)- 92% pure  
3. **CITATION:**

Author: M.P. Candolfi  
Title: CGA 354743: 14-Day Acute Toxicity Test  
with the Earthworm (*Eisenia foetida*)  
Based on the OECD Guideline #207  
Study Completion Date: February 3, 1997  
Laboratory: Springborn Laboratories (Europe) AG,  
Horn, Switzerland  
Laboratory Report ID: 97-162-1008  
Sponsor: Novartis Crop Protection, Inc.,  
Greensboro, NC  
MRID No.: 449317-21  
DP Barcode: D260421

4. **REVIEWED BY:** Mark A. Mossler, M.S., Toxicologist,  
Golder Associates Inc.

**Signature:** *Mark A. Mossler*

**Date:** 4/13/00

**APPROVED BY:** Pim Kosalwat, Ph.D., Senior Scientist,  
Golder Associates Inc.

**Signature:** *P. Kosalwat*

**Date:** 4/13/00

5. **APPROVED BY:** Brian Montague, USEPA

**Signature:**

**Date:**

6. **STUDY PARAMETERS:**

**Scientific Name of Test Organism:** *Eisenia foetida*  
**Age of Test Organisms at Test Initiation:** ≥2 months  
**Definitive Study Duration:** 14 days

7. **CONCLUSIONS:** This study is scientifically sound and provides supplemental information pertaining to the toxicity of metolachlor and associated degradates. Based on nominal concentration, the 14-day  $LC_{50}$  was >920 mg ai/kg dry soil. The NOEC was determined to be 920 mg ai/kg dry soil.

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